



Parametrica

Costings

We have been developing The Modulator since November 2018, writing code, developing its design and manufacturing its components. So far we've spent roughly 13 weeks doing this. To complete the final two stations, we expect to need a further 11 weeks of build time [this can be shortened by using CNC and with help from freelancers].

Our artist fee for the research, development and build of this installation is £30,000 based on these timings. On top of this are material and equipment costs of £7,878, bringing the total up to £37,878.

We understand a fee of this size would make us inaccessible for the majority of festivals and events - so have the following in mind.

We are offering hire of the Modulator's use at your festival. This means we aren't selling exclusive rights to it's use and there are a couple of reasons for this:

- We want to give the widest possible audience the opportunity to experience the potential of digital technology using the modulator, by experimenting with and understanding the principles of sound synthesis and visual art generation - benefiting both the audience attending your festival and the festival itself.
- Due to the amount of time and the costs involved in creating the modulator we plan on hiring it to as many suitable festivals as we can to spread the costs as much as possible, reducing the cost of having our installation at your festival significantly.

We are open to discussion around the hire cost of The Modulator, but to make it easier have broken it down into three tiers. The first is the least expensive, smallest, and easiest to build. The third realises the full potential of the Modulator, is larger, requires more equipment and is hence the most expensive. The second tier is a balanced version between the two.

The hire cost of the tiers is as follows: Tier 1 = £2000, Tier 2 = £3500, Tier 3 = £5000.

Construction Materials	Website	No.	Cost	Total
Tank Traps	https://shopmtn.eu/p	6	£83.21	£499.26
Voile CS - 100% Trevira CS Scrim	https://www.showtex	3	£100.00	£300.00
SpiraFix	https://www.spirafix.com	24	£10.72	£257.28
Aluminium Poles	https://shopmtn.eu/p	6	£28.28	£169.68
Lycra for Projector	funkifabrics.com	1	£81.54	£81.54
Polycarbonate for Projector	cutmyplastic.co.uk	3	£28.00	£84.00
Keyclamp Fixings	https://www.keyclam	6	£5.14	£30.84
Key Clamp inline swivel brackets	https://www.keyclam	12	£2.18	£26.16
CNC Routing	https://shapecnc.com	1	£172.80	£172.80
Acrylic & CNC Laser Cutting	cutmyplastic.co.uk	1	£111.26	£111.26
M6 30mm Hex Bolts x 50 pack	https://uk.rs-online.com	4	£15.43	£61.72
M6 T Nut 9mm x 10 pack	https://www.screwfix	1	£10.00	£10.00
Wood Sheets	Blanchfords	10	£25.00	£250.00
Internals and battening	Blanchfords	3	£70.00	£210.00
30mm x 4mm Wood Screw	Axmister Tools	3	£2.84	£8.52
15mm x 3mm Screws	Axmister Tools	1	£1.69	£1.69
40mm x 4mm Screws	Axmister Tools	1	£3.40	£3.40
Electrical Items				
Projector	Just projectors	3	£1,200.00	£3,600.00
Volt CX220.1 - 8" 150W 8 Ohm	Direct from Volt loud	4	£140.19	£560.76
Computer	Estimate	1	£700.00	£700.00
Keyboards	https://www.gak.co.uk	2	£36.00	£72.00
Knob (MF-A05 (45mm))	https://www.ebay.com	50	£1.99	£99.50
Knob (MF-A03 (27mm))	https://www.ebay.com	2	£2.49	£4.98
Arduino Mega	https://store.arduino.com	3	£37.41	£112.23
MUX Sheild II	http://mayhewlabs.com	1	£19.03	£19.03
LED Strip: TruOpto 5m Addressable	https://www.rapidonline.com	1	£90.00	£90.00
12mm White Buttons	https://uk.rs-online.com	15	£3.90	£58.50
LED driver: Mean Well APV-12-5	https://uk.rs-online.com	2	£13.76	£27.52
LED driver: Mean Well LPV-60-5	https://uk.rs-online.com	1	£47.77	£47.77
Toggle Switches	Estimate	100	£1.00	£100.00
Wiring	rapidonline.com	3	£6.09	£18.27
Potentiometers 6.3	https://www.mouser.com	50	£1.80	£90.00
Amplifier	Estimate	1	£200.00	£200.00
				Total
				£7,878.71

Build Schedule

Modulator Time Plan																																																										
(Day)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53					
Control Station 1 (complete)																																																										
Control Station 2 Body																																																										
Control Station 2 Electronics																																																										
Control Station 3 Body																																																										
Control Station 3 Electronics																																																										
Central Hub Body																																																										
Painting																																																										
Speaker mount & cable routing																																																										
Speaker Box Construction																																																										
Wooden Cladding																																																										
Wooden entrance structures																																																										
Projector housings																																																										
Projector barrier																																																										
Coding																																																										

It will take us roughly 11 working weeks to complete the build phase of the two final stations. This time-line can be accelerated if required with help from freelance work, as well as using more extensive computer aided manufacturing.

